



TOWN OF SHREWSBURY

SHREWSBURY, MASSACHUSETTS 01545-5398

Richard D. Carney Municipal Office Building

100 Maple Avenue

Shrewsbury, Massachusetts 01545-5398

Minutes Board of Sewer Commissioners

Date: May 8, 2007

Present: Joseph Zecco, Chairman
Paul Swydan, Secretary
Paul Burnett
Jack Perreault, Town Engineer
Robert Tozeski, Superintendent Water & Sewer

Minutes from the meeting of February 22 and April 4, 2007 were accepted as written. The agenda incorrectly listed the date of the April meeting as April 14th.

1. The Board next discussed the phosphorous removal pilot study at the Westborough Treatment Plant. Four different technologies were being tested side by side to evaluate each's ability to remove phosphorous and maintain other water quality parameters required in the NPDES permit. The new permit will require that the facility release less than 0.1 mg/_ of phosphorous from April 1st through October 31st and less than 1.0 mg/_ between November 1st and March 31st. The current facility permit limit for phosphorous is 0.75 mg/_.
2. Next discussed was the CWMP Phase III report from Fay, Spofford and Thorndike. The purpose of the report was to present a comprehensive plan to meet the Town of Shrewsbury's wastewater needs through the year 2030. Massachusetts DEP has set a limit of 7.68 mgd for the average daily flow to be discharged to the Assabet River. In an attempt to increase its wastewater capacity to accommodate its growing population, the Town, explored the feasibility of groundwater disposal or recharge. However, due to considerable financial, political and social obstacles, the Town of Shrewsbury and Westborough have decided not to pursue the groundwater recharge option.

To keep within the 7.68 mgd limit at the treatment plant, wastewater flow allocations would be 2.89 mgd Westborough, 4.39 mgd for Shrewsbury and an allowance of 0.40 mgd for Hopkinton. The allocation study for Shrewsbury averaged the daily flow between 2002 and 2006 at 2.61 mgd. The average I&I during this period was calculated to be 0.81 mgd.

The study also estimated reductions to the average daily flow by reducing the daily per capita usage to 65 gpcd would be 0.21 mgd and also assumed 32 percent removal of I&I could be accomplished reducing the average daily flow by another 0.26 mgd. Lastly, the report considered flows from residential homes that presently have sewer available.

This residential sewer infill was estimated to be 0.46 mgd and the residential flow for existing needs areas was calculated to be 0.11 mgd. To keep within the flow limit of 4.39 mgd and leave capacity for existing and future commercial/industrial parcels, it appears that new residential sewer extensions would need to be stopped to leave capacity for existing customers. The matter will be discussed further at the Board of Selectmen's meeting on June 4th.

3. The state agency overseeing the land development of Lot -9 Centech Park East required that the sewer commissions and Board of Selectmen in both Grafton and Shrewsbury sign the proposed land agreement. The Board voted unanimously to sign the agreement.

The meeting was adjourned @ 8:20 p.m.

Respectfully submitted,

Robert Tozeski
Superintendent Water & Sewer

RT/dar